

L# ANSWER 381 OF 419 CAPLUS COPYRIGHT 2002 ACS

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TI N-Substituted-.alpha.-pyrrolidinone

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AB N-Methyl-(I) and -ethylpyrrolidinones were prepd. by treating
.gamma.-butyrolactone (II) with H₂NMe or H₂NEt, resp. followed by
cyclization in the presence of Al₂O₃, silica, silica-Mg, or silica-Al₂O₃
catalyst. E.g., HO(CH₂)₃CONHMe, obtained from 25.8 g II and 27.2 g 40%
H₂NMe (aq.), was contacted for 25 sec on a 3 cm Al₂O₃ column heated at
270.degree. to give 27.6 g I.

IC C07D; B01J

DT Patent

LA Japanese